Author Index

Acierno, D., see La Mantia, F. P. et al. 271
Ahmed, S. U., see Mathias, J. L. 145
Albrecht, W., see Meier, H., et al. 43
Al-Irobaidi, A., see Hinrichsen, G., et al. 15
Angeloni, A. S., Laus, M., Burgin, E., Galli, G., Chiellini, E.: Monotropic Liquid Crystalline Poly(β-Thioester)s Containing Bis (ρ-Oxybenzoate) Mesogenic Units 131
Ania, F., Balta Calleja, F. J.: Diamagnetic Properties of Polyethylene. 2. Analysis of Phase Contributions 379
Aoshima, S., Hasegawa, O., Higashimura, T.: Living Cationic Polymerization of Vinyl Ethers with a Functional Group. 2. Polymerization of Vinyl Ethers with an Unsaturated Ester Pendant 229
Audebert, R., see Capillon, J. et al. 185
Audebert, R., see Iliopoulos, I. 171

Balta Callija, F. J., see Ania, F. 379
Barr-Howell, B. D., Peppas, N. A.: Importance of Junction Functionality in Highly Crosslinked Polymers 91
Bauer, H.-J., see Hartmann, M., et al. 195
Bayer, E., Spivakov, B. Ya., Geckeler, K.: Poly(Ethyleneimine) as Complexing Agent for Separation of Metal Ions Using Membrane Filtration 307
Bayer, E., Zheng, H., Geckeler, K.: Functionalization of Soluble Polymers. 6. Preparation and Kinetic Aspects of Linear, Hydrophilic Aldehydes Based on Poly(Oxyethylene) 431
Bertorello, H. E., see de la Fuente, J. R., et al. 557
Bertucci, C., Salvadori, P., Ciardelli, F., Fatti, G.: Vacuum-u.v. Circular Dichroism of Optically Active Isotactic Poly-α-Olefins 469
Bevan, L., Nugent, H.: The Influence of Pre-Compression on the Measured Fracture Toughness of Polymethylmethacrylate 417
Blumstein, A., see Kharas, G. B., et al. 357
Braud, Ch., Bunel, C., Vert, M.: Poly(β-Malic Acid): A New Polymeric Drug-Carrier. Evidence for Degradation in vitro 293
Brekner, M.-J., Cantow, H.-J., Schneider, H. A.: Interrelations Between Relaxation Distribution Functions and Apparent Activation Energy of Flow 51
Buchanan, K. J., Hird, B., Letcher, T. M.: Primary Hydration of Poly(Acrylic Acid) Sodium Salts 493
Bulatov, V., Oleinik, E. F.: Polymerization Kinetics in Some One-Dimensional Systems 401
Bulatov, V. V., Salamatina, O. B., Gusev, A. A., Vorobjeva, G. A., Oleinik, E. F.: ΔCp, Δα and Related Quantities for Epoxy-Aromatic Amine Networks 21
Bunel, C., see Braud, Ch., et al. 293
Burgin, E., see Angeloni, A. S. et al. 131
Buttner, P., see Wöhrle, D. 57

Campos, A., see Soria, V., et al. 83
Canessa, G. S., see Rivas, B. L., et al. 65, 103, 519
Cantow, H.-J., see Brekner, M.-J., et al. 51
Cantow, H.-J., Lausberg, D.: Unperturbed and Solvent Modified Unperturbed Dimensions of Macromolecules via NMR-Data on Low Molecular Weight Models 393
Capillon, J., Ricard, A., Audebert, R., Quivoron, C.: Importance of the Texture of the Resin in Crown Ether Supported Catalysis 185
Celda, B., see Soria, V., et al. 83
Chambon, F., Winter, H. H.: Stopping of Crosslinking Reactions in a PDMS Polymer at the Gel Point 499
Chandrasekaran, V., see Kothandaraman, H., et al. 353
Cheng, H. N., Lee, G. H.: Two Dimensional NMR Studies of Polypropylene Tacticity 549
Chiellini, E., see Angeloni, A. S., et al. 131
Ciardelli, F., see Bertucci, C., et al. 469
Conlon, D. A., see Crivello, J. V., et al. 409
Crivello, J. V., Conlon, D. A., Rice, S. T.: Bismaleimide-Bisvinylether Copolymers: A New Class of Thermosetting Resins 409
Csunderlik, C., see Munteanu, D., et al. 77

de la Fuente, J. R., Martinez de Bertorello, M., Bertorello, H. E.: Polymerization of 4,4′-Difluoro-diphenylether by Reaction with N-Butyllithium 557
De Paoli, M.-A., see Felisberti, M. I., et al. 163
Dobrovolskaya, N. V., see Postnikov, V. A., et al. 425

Dreyfuss, P., see Seung, S. L. N., et al. 337
Dušek, K.: Build-up of Polymer Networks by Initiated Polyreactions. 2. Theoretical Treatment of Polyetherification Released by Polyamine-Polyepoxide Addition 321
Dušek, K., Šomvársky, J.: Build-up of Polymer Networks by Initiated Polyreactions. 1. Comparison of Kinetic and Statistical Approaches to the Living Polymerization Type of Build-up 313

Eguiazabal, J. I., Fernández-Berridi, M. J., Iruin, J. J., Elorza, J. M.: Chromatographic Determination of Polymer Solubility Parameters 463
Elorza, J. M., see Eguiazabal, J. I., et al. 463

Fatti, G., see Bertucci, C., et al. 469
Faust, R., see Nagy, A., et al. 97
Felisberti, M. I., Giesse, R., De Paoli, M.-A.: Preparation of Low-Density Polyethylene Composites by UV Irradiation 163
Fernández-Berridi, M. J., see Eguiazabal, J. I., et al. 463
Ferrero, F., see Priola, A., et al. 245
Fetters, L. J., see Seung, S. L. N., et al. 337
Figueruelo, J. E., see Soria, V., et al. 83
Fradet, A., see Laporte, P., et al. 385
Frenkel, S., see Ginzburg, B., et al. 139
Fujimori, K.: Rate of Copolymerization of Maleic Anhydride with Butyl Vinyl Ether in $CHCl_3$ and Relative Reactivity of Free Monomers and the Complex 459
Fujisawa, T., see Yosomiya, R. 7
Fujiwara, Y.: II-I Phase Transformation of Melt-Crystallized Oriented Lamellae of Polybutene-1 by Shear Deformation 253

Gagnaire, D., Saint-Germain, J., Vincendon, M.: High Resolution Solid State ^{13}C-NMR Study of Heterogeneous Reactions on Cotton Cellulose 365
Galli, G., see Angeloni, A. S., et al. 131
Galvin, M. E., Wnek, G. E.: Towards the Synthesis of Electroactive Block Copolymers via Anionic-to-Ziegler-Natta Transformation Reactions. 2. Evidence for the Formation of Styrene/Acetylene Diblock Copolymers 109
Geckeler, K., see Bayer, E., et al. 307
Geckeler, K., see Bayer, E., et al. 431
Giesse, R., see Felisberti, M. I., et al. 163
Ginzburg, B., Siromyatnikova, T., Frenkel, S.: Gelation in the Poly(γ-Benzyl–L–Glutamate) – Dimethylformamide System 139
Gitsov, I., see Manolova, N. E., et al. 285
Goto, K., see Takayanagi, M. 35
Gozzelino, G., see Priola, A., et al. 245
Grinshpun, V., Rudin, A., Potter, D.: Comments on the Measurement of Long Chain Branching by Size Exclusion Chromatography 71
Groeninckx, G., see Schouterden, P., et al. 533
Gusev, A. A., see Bulatov, V. V., et al. 21

Hall, H. K. Jr., see Padias, A. B. 329
Hartmann, M., Bauer, H.-J., Wermann, K.: Biocide Polymers. 13. Synthesis and Hydrolysis of Modified Poly(Acrylic Acid)s Containing 3-Amino-1,2,4-Triazole 195
Hasegawa, O., S. Aoshima, S., et al. 229
Hedrick, J. L., Yilgör, I., Wilkes, G. L., McGrath, J. E.: Chemical Modification of Matrix Resin Networks with Engineering Thermoplastics. 1. Phenolic Hydroxyl Terminated Poly(Aryl Ether Sulfone)-Epoxy Systems 201
Higashimura, T., see Aoshima, S., et al. 229
Hinrichsen, G., Sadat-Darbandi, S. M., Al-Irobaidi, A.: Sonic-Velocity Measurements as a Suitable Tool for the Observation of Structural Changes in Polymeric Materials 15
Hird, B., see Buchanan, K. J., et al. 493
Hongu, Y., see Kennedy, J. P. 115, 123
Horii, F., Kitamaru, R., Maeda, S., Saika, A., Terao, T.: Dipolar-Decoupled Carbon-13 NMR Study of Highly Oriented Polyethylene Films 179

Iliopoulos, I., Audebert, R.: Influence of Concentration, Molecular Weight and Degree of Neutralization of Polyacrylic Acid on Interpolymer Complexes with Polyoxyethylene 171
Inagaki, N., Matsunaga, M.: Preparation of Carboxylate Groups-Containing Thin Films by Plasma Polymerization 349
Iruin, J. J., see Eguiazabal, J. I., et al. 463

Jasse, B., see Zhao, Y., et al. 259
Jiarui, S., see Kharas, G. B., et al. 357

Kaku, M., see Kobayashi, S., et al. 447
Kashiwa, N., Tsutsui, T., Toyota, A.: Solution Copolymerization of Ethylene with α-Olefins by Vanadium Catalyst 511
Kato, A., see Ono, K., et al. 29
Kaushik, V. K., Sharma, Y. N.: Quantitative Analysis of Natural Rubber, Polybutadiene Rubber and Styrene/Butadiene Rubber Blends by Infra-Red Spectroscopy 373
Keller, F., see Schlothauer, K., et al. 473

Kennedy, J. P., see Mishra, M. K., et al. 435
Kennedy, J. P., see Nagy, A., et al. 97
Kennedy, J. P., see Tant, M. R., et al. 541
Kennedy, J. P., Hongu, Y.: Synthesis and Characterization of Amphiphilic Polyisobutylene/Poly(Ethylene Glycol) Di- and Triblock Copolymers. 1. Synthesis of Di- and Triblock Copolymers 115
Kennedy, J. P., Hongu, Y.: Synthesis and Characterization of Amphiphilic Polyisobutylene/Poly(Ethylene Glycol) Di- and Tribiock Copolymers. 2. Characterization of Polyisobutylene/Poly(Ethylene Glycol) Diblock Copolymers 123
Kennedy, J. P., Lo, C. Y.: Macromers by Carbocationic Polymerization 6. Copolymerization of α-(p-Vinylphenyl)Polyisobutylene with Methyl Methacrylate and Styrene 343
Kennedy, J. P., Lo, C. Y.: Macromers by Carbocationic Polymerization. 7. Emulsion Copolymerization of α-(p-Vinylphenyl)Polyisobutylene with Styrene and the Impact Strength of Poly(Styrene-g-Isobutylene) 441
Kienzle-Sterzer, C. A., Rodriguez-Sanchez, D., Rha, C. K.: Flow Behavior of a Cationic Biopolymer: Chitosan 1
Kitamaru, R., see Horii, F., et al. 179
Kharas, G. B., Ponrathnam, S., Jiarui, S., Ozcayir, Y., Blumstein, A.: Copolymerization of Sodium Styrene Sulfonate with Sodium Chloroacrylate 357
Kobayashi, K., see Tsubokawa, N., et al. 215
Kobayashi, S., Kaku, M., Sawada, S., Saegusa, T.: Synthesis of Poly(2-Methyl-2-Oxazoline) Macromers 447
Koch, M., see Schouterden, P., et al. 533
Koch, H., Pein, J.: Condensation Reaction between Phenol, Formaldehyde and 5-Hydroxymethylfurfural, Formed as Intermediate in the Acid Catalyzed Dehydration of Starchy Products 525
Kothandaraman, H., Venkatarao, K., Raghavan, A., Chandrasekaran, V.: Metal-Containing Polyurethanes 353

La Mantia, F. P., Piccarolo, S., Valenza, A., Acierno, D.: Constant Stretching Rate Experiments on Low Density Polyethylene 271
Laporte, P., Fradet, A., Maréchal, E.: Reaction of α, ω-Dicarboxy Polyamides in the Melt: Synthesis of a Model. Use of N-Trifluoroacetylation in NMR and GPC Studies 385
Laus, M., see Angeloni, A. S., et al. 131
Lausberg, D., see Cantow, H.-J. 393
Le Blainvaux, F., Madec, P.-J., Maréchal, E.: Study of Step-Growth Polymerizations Using Epoxy-Carboxy Reaction. Evidence of Secondary Reactions from Model Study in the Bulk 237
Lee, G. H., see Cheng, H. N. 549
Letcher, T. M., see Buchanan, K. J., et al. 493
Llopis, A., see Soria, V., et al. 83
Lo, C. Y., see Kennedy, J. P. 343
Lo, C. Y., see Kennedy, J. P. 441

Madec, P.-J., see Le Blainvaux, F., et al. 237
Maeda, S., see Horii, F., et al. 179
Manolova, N. E., Gitsov, I., Velichkova, R. S., Rashkov, I. B.: Separation and Characterization of ε-Caprolactone Oligomers by Gel Permeation Chromatography 285
Maréchal, E., see Le Blainvaux, F., et al. 237
Maréchal, E., see Laporte, P., et al. 385
Mark, J. E., see Ning, Y.-P., et al. 155
Mark, J. E., see Sur, G. S. 505
Martinez, G., Mijangos, C., Millán, J.: Quantitative Determination of Non-Defect Unstable Structures in PVC Through Selective Nucleophilic Substitution with C_6H_5SNa 151
Martinez de Bertorello, M., see de la Fuente, J. R., et al. 557
Mathias, L. J., Ahmed, S. U.: Thermal Depolymerization Studies of New Poly (Dimethylenebenzoxazoles) 145
Matsunaga, M., see Inagaki, N. 349
Mavru, E., see Patachia, S., et al. 301
McGrath, J. E., see Hedrick, J. L., et al. 201
Meier, H., Albrecht, W., Zimmerhackl, E.: Photoconductivity of Polymeric Copper Phthalocyanine 43
Mendicuti, F., Tarazona, M. P., Saiz, E.: Karr Constant of Poly (Methyl Phenyl Siioxane) 263
Mijangos, C., see Martinez, G., et al. 151
Millán, J., see Martinez, G., et al. 151
Mishra, M. K., Sar-Mishra, B., Kennedy, J. P.: New Telechelic Polymers and Sequential Copolymers by Polyfunctional Initiator-Transfer Agents (Inifers). 47. Dehydrochlorination Studies of ^{t}Cl-PIB-Cl^t: Quantitative Dehydrochlorination to α, ω-Di(Isopropenyl)-PIB by NaOEt 435
Monnerie, L., see Zhao, Y., et al. 259
Mracec, M., see Munteanu, D., et al. 77

Munteanu, D., Mracec, M., Tincul, I., Csunderlik, C.: Monomeric Antioxidants. An ^{1}H-NMR Spectrometry Study of Their Homopolymerization 77
Murakami, K., see Ono, K., et al. 29

Nagy, A., Faust, R., Kennedy, J. P.: New Telechelic Polymers and Sequential Copolymers by Polyfunctional Initiator Transfer Agents (Inifers). 44. End-Reactive Three-Arm Star Polyisobutylenes by Continuous Polymerization 97
Ning, Y.-P., Rigbi, Z., Mark, J. E.: Hydrolysis of Several Ethylethoxysilanes to Yield Deformable Filler Particles 155
Nose, T., see Sato, S., et al. 277
Nozawa, H., see Oikawa, E. 481
Nozawa, Y., see Seki, N., et al. 489
Nugent, H., see Bevan, L. 417

Oikawa, E., Nozawa, H.: Synthesis and Properties of Polyhydrazides and Polyoxadiazoles Containing Pyridine Rings in the Polymer Backbone 481
Okada, M., see Sato, S., et al. 277
Oleinik, E. F., see Bulatov, V. V., et al. 21
Oleinik, E. F., see Bulatov, V. 401
Ono, K., Kato, A., Murakami, K.: Unusual Stress-Strain Properties of Natural Rubber Vulcanizates with High Primary Molecular Weight 29
Otsu, T., see Sato, T., et al. 453
Ozcayir, Y., see Kharas, G. B., et al. 357

Padias, A. B., Hall, H. K. Jr.: Initiating Carbenium Ions from Tetramethylene Zwitterions Cationic Polymerizations Initiated by 2,2-Dicyanovinyl Iodide and 2,2-Dicyanovinyl p-Toluenesulfonate 329
Patachia, S., Vasile, C., Mavru, E.: Study of the Compatibility in the Poly(Vinyl-Chloride)-Poly(Vinyl-Alcohol) System 301
Pein, J., see Koch, H. 525
Pennings, A. J., see Smook, J., et al. 209
Peppas, N. Y., see Barr-Howell, B. D. 91
Piccarolo, S., see La Mantia, F. P., et al. 271
Platé, N. A., see Postnikov, V. A., et al. 425
Ponrathnam, S., see Kharas, G. B., et al. 357
Pooley, S. A., see Rivas, B. L., et al. 65, 103, 519
Poppleton, B. J.: Thermal Stability of Poly(Methyl Methacrylate) 421
Postnikov, V. A., Dobrovolskaya, N. V., Volkov, A. V., Platé, N. A.: Linear Copolymerization of Unsaturated Albumin Derivatives with Acrylamide 425
Potter, D., see Grinsphun, V., et al. 71
Priola, A., Gozzelino, G., Ferrero, F.: Cationic Oligomerization of 3-Methyl-1-Butene Catalyzed by BF_3-Protonic Donor Complexes 245

Quivoron, C., see Capillon, J., et al. 185

Raghavan, A., see Kothandaraman, H., et al. 353
Rashkov, I. B., see Manolova, N. E., et al. 285
Reynaers, H., see Schouterden, P., et al. 533
Rha, C. K., see Kienzle-Sterzer, C. A., et al. 1
Ricard, A., see Capillon, J., et al. 185
Rice, S. T., see Crivello, J. V., et al. 409
Riekel, C., see Schouterden, P., et al. 533
Rigbi, Z., see Ning, Y.-P., et al. 155
Rivas, B. L., Canessa, G. S., Pooley, S. A.: Copolymerization via Zwitterion 3. Phthalic Anhydride and 2-Ethyl-2-Oxazoline 65
Rivas, B. L., Canessa, G. S., Pooley, S. A.: Copolymerization Without Initiator. 4. N-Acetylaziridine, 2-Methyl-2-Oxazoline with Maleic Anhydride 103
Rivas, B. L., Canessa, G. S., Pooley, S. A.: Copolymerization via Zwitterion. 7. Succinic Anhydride with 2-Ethyl-2-Oxazoline 519
Rodriguez-Sanchez, D., see Kienzle-Sterzer, C. A., et al. 1
Rudin, A., see Grinshpun, V., et al. 71

Sadat-Darbandi, S. M., see Hinrichsen, G., et al. 15
Saegusa, T., see Kobayashi, S., et al. 447
Saika, A., see Horii, F., et al. 179
Saint-Germain, J., see Gagnaire, D., et al. 365
Saiz, E., see Mendicuti, F., et al. 263
Salamatina, O. B., see Bulatov, V. V., et al. 21
Salvadori, P., see Bertucci, C., et al. 469
Sato, S., Okada, M., Nose, T.: Critical Solution Point and Chain Dimension of Branched-Polystyrene Solutions 277
Sato, T., Yutani, Y., Otsu, T.: Long-Lived Polymer Radicals. 7. Synthesis of Block Copolymers by the Reaction of Living Poly(N-Acryloyl-L-Valine) Radical with Vinyl Monomers 453
Savenije, H. B., see Smook, J., et al. 209
Sawada, S., see Kobayashi, S., et al. 447

Schlothauer, K., Keller, F., Schneider, H., Wandelt, B.: Compositional Sequence Distribution and Second-Order Markov Statistics in Vinyl Chloride-Vinylidene Chloride Copolymers by Carbon-13 NMR 473
Schneider, H., see Schlothauer, K., et al. 473
Schneider, H. A., see Brekner, M.-J., et al. 51
Schouterden, P., Riekel, C., Koch, M., Groeninckx, G., Reynaers, H.: Dynamic SAXS and WAXS Investigations on Melt Crystallized Linear Low Density Polyethylene Using Synchrotron Radiation: Crystallization and Melting Behaviour 533
Seki, N., Tsuchida, E., Ukaji, K., Sekiya, T., Nozawa, Y.: Phase Separation of Polymerized Lipids in Hybrid Liposomes 489
Sekiya, T., see Seki, N., et al. 489
Sepulchre, M., Spassky, N.: Polymerization of Racemic Methylthiirane Using a Chiral Initiator Prepared with a Diastereoisomeric 1,2-Diol 223
Seung, S. L. N., Dreyfuss, P., Fetters, L. J.: Polymerization of Epoxides and Vinyl Monomers by Nitrosyl Hexafluorophosphate 337
Sharma, Y. N., see Kaushik, V. K. 373
Siromyatnikova, T., see Ginzburg, B., et al. 139
Smook, J., Savenije, H. B., Pennings, A. J.: Effects of Additives on Gel-Spinning of Ultra-High Molecular Weight Polyethylene 209
Šomvársky, J., see Dušek, K. 313
Sone, Y., see Tsubokawa, N., et al. 215
Soria, V., Llopis, A., Celda, B., Campos, A., Figueruelo, J. E.: Static Measurements of Refractive Index Increments at 633 nm with a Modified Refractive Index Detector 83
Spassky, N., see Sepulchre, M. 223
Spivakov, K., see Bayer, E., et al. 307
Star-Mishra, B., see Mishra, M. K., et al. 435
Storey, R., see Tant, M. R., et al. 541
Sur, G. S.: A Novel Method for Preparing Bimodal Elastomeric Networks 505

Takayanagi, M., Goto, K.: Improved Properties of Molecular Composite of Nitrile Rubber and Poly(p-Phenylene Terephthalamide) by Blending with Poly(Vinyl Chloride) 35
Tant, M. R., Wilkes, G. L., Storey, R., Kennedy, J. P.: Sulfonated Polyisobutylene Telechelic Ionomers. 10. Effects of Architecture and Molecular Weight on Viscosity Behavior in a Nonpolar Solvent 541
Tarazona, M. P., see Mendicuti, F., et al. 263
Terao, T., see Horii, F., et al. 179
Teyssie, D., Villesange, M., Vairon, J.-P.: Stable Carbocationic Species Observed During the Oligomerization of p-Isopropyl-α-Methylstyrene Initiated by CH_3SO_3H in CH_2Cl_2 Solution (Errata) 89
Tincul, I., see Munteanu, D., et al. 77
Toyota, A., see Kashiwa, N., et al. 511
Tsubokawa, N., Kobayashi, K., Sone, Y.: Reactive Carbon Black Having Isocyanate or Acryl Azide Group. Preparation and Reaction with Polymers Having Hydroxyl Group 215
Tsuchida, E., see Seki, N., et al. 489
Tsutsui, T., see Kashiwa, N., et al. 511

Ukaji, K., see Seki, N., et al. 489

Vairon, J.-P., see Teyssie, D., et al. 89
Valenza, A., see La Mantia, F. P., et al. 271
Vasile, C., see Patachia, S., et al. 301
Velichkova, R. S., see Manolova, N. E., et al. 285
Venkatarao, K., see Kothandaraman, H., et al. 353
Vert, M., see Braud, Ch., et al. 293
Villesange, M., see Teyssie, D., et al. 89
Vincendon, M., see Gagnaire, D., et al. 365
Volkov, A. V., see Postnikov, V. A., et al. 425
Vorobjeva, G. A., see Bulatov, V. V., et al. 21

Wandelt, B., see Schlothauer, K., et al. 473
Wermann, K., see Hartmann, M., et al. 195
Wilkes, G. L., see Hedrick, J. L., et al. 201
Wilkes, G. L., see Tant, M. R. 541
Winter, H. H., see Chambon, F. 499
Wnek, G. E., see Galvin, M. E. 109
Wöhrle, D., Buttner, P.: Polymeric Schiff's Base Chelates and Their Precursors 8[a], Some Cobalt Chelates as Catalysts for the Isomerization of Quadrycyclane to Norbornadiene 57

Ya, B., see Bayer, E., et al. 307
Yilgör, I., see Hedrick, J. L., et al. 201
Yosomiya, R., Fujisawa, T.: Grafting of Styrene onto Carbon Fiber Having Perester Groups 7
Yutani, Y., see Sato, T., et al. 453

Zhao, Y., Jasse, B., Monnerie, L.: Orientation in Uniaxially Stretched Plasticized Atactic Polystyrene 259
Zheng, H., see Bayer, E., et al. 431
Zimmerhackl, E., see Meier, H., et al. 43

Subject Index

1-Acetyl-5-amino-1,2,4-triazole 195
N-Acetylaziridine 103
Acetylene 109
Acrylamide 425
N-Acryloyl-L-valine 453
Additives 209
Albumin 425
Aldehydes 431
3-Amino-1,2,4-triazole 195
Amphiphilic block copolymers 123
Amphiphilic polymers 123
Analysis 71, 77, 83, 179, 285, 365, 373, 379, 385, 463, 469, 549
Anionic grafting 215
Antioxidants 77
Atactic polystyrene 259

Behavior 263, 271, 277
Bimodal elastomeric networks 505
Biocide polymers 195
Biopolymers 1, 425
Birefringence measurements 259
Bismaleimides 409
Bisvinylethers 409
Blends 35
Block copolymers 453
Block copolymers, electroactive 109
Block-polycondensation 237
Branched polystyrene solutions 277
Branching 71
N-Butyllithium 557
Butyl vinyl ether 459

Cadmium 307
ε-Caprolactone oligomers 285
Carbocationic polymerization 343, 441
Carbon black 35, 215
Carbon fibers 7
Carboxylic polyamides 385
Catalysis 185, 245
Catalysts 57
Cationic polymerization 329
Cationic biopolymers 1
Cationic grafting 215
Cationic oligomerization 245
Cellulose 365
Chain dimension 277
Chain orientation 259
Chelates 57
Chiral agents 223
Chitosan 1
Circular dichroism 469
Coatings 201, 301
Cobalt 307
Compatibility 301
Complexation 171
Composites 201
Copolymerization 65, 511, 519
Copolymers 103, 109, 115, 123
Copolymers, bismaleimide-bisvinylether 409
Copper Phthalocyanine 43
Cotton cellulose 365
Critical solution point 277
Crosslinking 21, 91, 185
Crosslinking reactions 499
Crown ethers 185
Crystallization and viscosity behavior 533, 541

Deformability 155
Degradation 77, 145, 151
Dehydrochlorination 435
Diamagnetism 379
Diblock copolymers 109, 115, 123
α,ω-Dicarboxy polyamides 385
2,2-Dicyanovinyl iodide 329
2,2-Dicyanovinyl p-Toluenesulfonate 329
Differential refractometry 83
4,4′-Difluorodiphenylether 557
N-Dodecanoyl-11-aminoundecanoic acid 385
Drug carriers 293

Elasticity 29
Electrical birefringence 263
Electrophilic olefins 329
Elongational test 271
Emulsion copolymerization 441
Engineering 201
Epoxides 337
Epoxies 21
Epoxy-carboxy reaction 237
Epoxy resins 201
Ethylene 511
Ethylethoxysilanes 155
2-Ethyl-2-oxazoline 65, 519

Fibres 7, 15, 301
Films 349
Flow behaviour 209
Formaldehyde 525
Fracture toughness tests 417
FT-IR spectroscopy 259

Gas chromatography 463
Gelation 139
Gel chromatography 71, 285
Gel-spinning 209
Glass transition 21
GPC studies 385
Grafting 215
Graft polymerization of styrene 7

Herbicides 195
Highly crosslinked polymers 91
High resolution solid state ^{13}C NMR 365
Hydration 493
5-Hydroxymethylfurfural 525

Infra-Red spectroscopy 373
Inifers 97, 435
Initiators 313, 329, 337, 447
Inverse gas chromatography 463
Ionic links 353
Ionomers 541
Isocyanate 215
Isotactic polymers 469
Junction functionality 91

Kerr constant 263
Kinetics 401

Light stabilizers 77
Lipids 489
Liposomes 489
Liquid crystalline polymers 131
Living cationic polymerization 229
Living polymerization 313
Living radicals 453
Low-density polyethylene 163

Macromers 343, 441, 447
Macromonomers 425
Maleic anhydride 459
Mechanisms 353, 357
Melt crystallization 253
Melting behavior 533
Membrane filtration 307
Membranes 481, 489
Metal-containing polyurethanes 353
p-Methoxystyrene 329
3-Methyl-1-butene 245
Methyl methacrylate 343
2-Methyl-2-oxazoline 103
Methylthiirane 223
Modelling 91
Molecular orientation 15
Molecular weight, number average 91
Molten polymers 271
Monomeric antioxidants 77
Monotropic liquid crystalline polymers 131
Monte-Carlo calculation 393, 401
Morphology 313, 321

Natural rubber 29, 373
Networks 29, 91, 201, 313, 321, 499, 505
New materials 409
Nickel 307
Nitrile rubber 35
Nitrosyl hexafluorophosphate 337
^{13}C-NMR 179, 365, 473
2-D NMR 549
^{1}H-NMR 77
NMR studies 385, 393

Olefins 245, 511
Oligomers 285
One-dimensional systems 401
Optical activity 469
Orientation 253, 259
Orientation of polymeric fibres and films 15

Phase separation 489
Phenol 525
Phenolic resins 525
Photoconductivity 43
Photoelectric properties 43
Photoinitiation 163
Phthalic anhydride 65
Plasma polymerization 349
Plasticizers 259
Polyacetals 215
Polyarylate 463
Poly(acryl ether sulfone)-epoxy systems 201
Poly(acrylic acid) 171, 195
Poly(acrylic acid) sodium salts 493
Poly(γ-benzyl-L-glutamate-dimethylformamide) system 139
Polybutadiene rubber 373
Polybutene-1 253
Poly(dimethylenebenzoxazoles) 145
Poly(dimethylsiloxane) 155
Polyesters 215, 293
Polyetherification 321
Polyethers 215

Polyethylene 163, 209, 271, 379, 533
Poly(ethyleneimine) 307
Polyethylene films, highly oriented 179
Poly(ethylene glycol) 115, 123
Polyhydrazides 481
Polyisobutylene 97, 115, 123, 541
Poly(β-malic acid) 293
Polymeric herbicides 195
Polymeric Schiff's base chelates 57
Poly(methyl methacrylate) 417, 421
Poly(2-methyl-2-oxazoline) 447
Poly(methyl phenyl siloxane) 263
Poly-α-olefins 469
Polyoxadiazoles 481
Poly(oxyethylene) 171, 431
Poly(p-phenylene terephthalamide) 35
Polypropylene tacticity 549
Polystyrene 215, 259, 277
Poly(styrene-g-isobutylene) 441
Poly(β-thioester)s 131
Polyurethanes 353
Poly(vinyl-alcohol) 301
Poly(vinyl chloride) 35, 151, 301
Processing 209
PVC, non-defect unstable structures 151

Racemic methylthiirane 223
Radical copolymerization 425, 459
Radical grafting 215
Reactions 229, 237, 453, 459
Reinforcing fillers 155
Resin networks 201
Resins 185, 409, 525
Rubber 29, 35

Schiff's base chelates 57
Sequence distribution 473
Sequential copolymers 97
Shear deformation 253
Size exclusion chromatography 71
Sodium chloroacrylate 357
Sodium styrene sulfonate 357
Solar energy storage systems 57
Soluble polymers 431
Sonic velocity 15
Stabilizers 77
Starchy products 525
Step-growth polymerizations 237
Stereoselective polymerization 223
Stress-optical behavior 263
Structural changes, determination technique 15
Styrene 7, 109, 343, 441
Styrene butadiene rubber 373
Synchrotron radiation 533
Synthesis and characterization 557

Telechelic ionomers 541
Telechelic polyisobutylenes 115, 123
Telechelics 97, 431, 435
Terminator method 447
Tetramethylene 329
Thermal depolymerization 145
Thermal instability, PVC 151
Thermal stability 421
Thermoplastics 201
Thermosetting polymers 201
Thermosetting resins 409
Thermotropic liquid crystalline polymers 131
Three-arm star polyisobutylenes 97
Toluene-2,4-diisocyanate 215
Triblock copolymers 115
N-Trifluoroacetylation 385

Ultra-high molecular weight polyethylene 209
UV irraditation 163

Vanadium catalyst 511
Vinyl chloride-vinylidene chloride copolymers 473
N-Vinylcarbazole 329
Vinyl ethers 229
Vinyl monomers 215, 337, 453
2-Vinyloxyethyl cinnamate 229
2-Vinyloxyethyl methacrylate 229
α-(p-Vinylphenyl)polyisobutylene 343, 441
Viscoelastic properties 51
Viscosity behavior 541
Vulcanization 29

Water-polymer interactions 493

Ziegler-Natta transformation reactions 109
Zinc 307
Zwitterions 65, 329, 519

Indexed in Current Contents